



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MANFRED DUFNER

SERIAL NO.: 10/686,413 EXAMINER: T. HEITBRINK  
FILED: OCTOBER 15, 2003 GROUP: 1722  
TITLE: EXTRUSION DIE

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant wishes to bring to the attention of the Patent Examiner the reference listed on the enclosed Form PTO-1449 and attached thereto. This reference was cited in the corresponding European proceedings.

In the case of the nozzle shown in these two references, an external drive for the axial movement of the insert is implemented. However, this nozzle is not mounted onto a cold channel block.

The external drive consists of a lever 18 that effects the axial movement of the insert by means of a gear tooth drive.

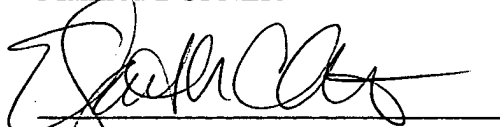
However, the point at which force is applied by the lever is on one side, so that the stress on the insert is non-symmetrical, thereby leading to the expectation of possible tilting of the insert, but certainly of excessive wear of the insert.

Furthermore, the needle 22 can be screwed into the insert, in other words it is not an integral part of the insert, which is therefore complicated and difficult in production, whereby it

must furthermore be noted that the geometry of the insert (differential piston) also results in more complicated production.

A check in the amount of \$180.00 is enclosed to cover the fee for filing an Information Disclosure Statement (IDS). The Commissioner is hereby authorized to charge Deposit Account No. 03-2468 for any additional fees or credit any overpayment in connection with this IDS. It is respectfully requested that the foregoing IDS be incorporated into the official file of the present patent application.

Respectfully submitted,  
Manfred DUFNER



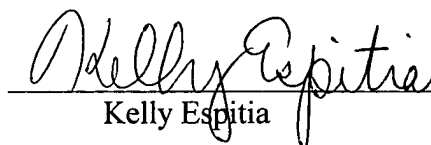
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ECR:djp

Enclosures: PTO-1449 form, one reference and check for \$180.00

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 5, 2006

  
Kelly Espitia

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. : DUFNER - 1	SERIAL NO. 10/686,413
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT : Manfred DUFNER - 1	
				FILING DATE: Oct. 15, 2003	GROUP: 1722

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,912,133	10/1975	HEHL = DE 2 336 099			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AH	DE 2 336 099	2/1975	Germany = US 3,912,133				
	AI							
	AJ							
	AK							
	AL							
	AM							
	AN							
	AO							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP		
	AQ		

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.